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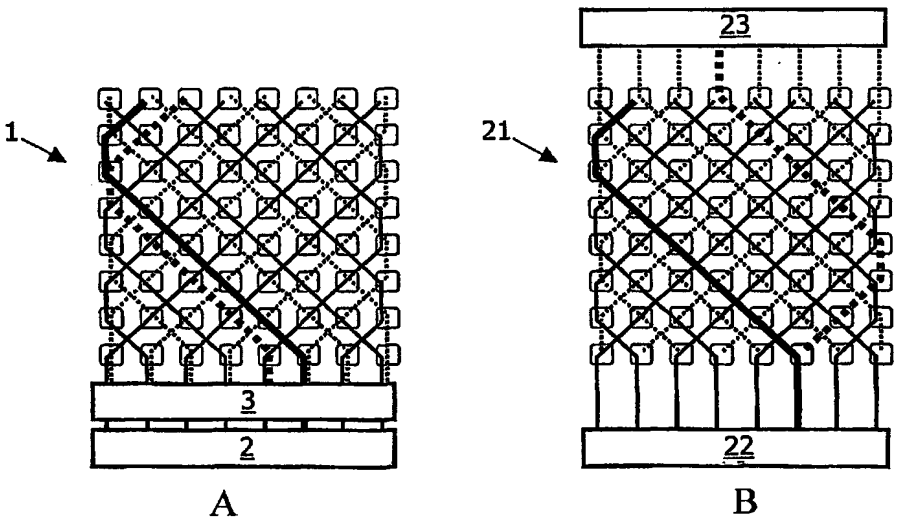
(54) Title: DEVICE COMPRISING AN ARRAY OF ELECTRONIC ELEMENTS, BASED ON DIAGONAL LINE ROUTING



(57) Abstract: The invention relates to a device (1) having a matrix array of electronic field elements (F_{ij}), which may for example be sensor elements of an X-ray detector or pixels of a display. The field elements (F_{ij}) are connected to access lines (A_l,, D_k) which, starting from a driver circuit (2, 3) at the border of the array, are routed in zigzag fashion along diagonals. In this way it is possible to provide address lines (A_l) and data lines (D_k) which are locally orthogonal to one another and make it possible for individual field elements (F_{ij}) to be addressed unambiguously. The associated driver circuits (2, 3) may be arranged at the same border or at opposite borders of the matrix, so that an array of almost any desired length can be put together from the device (1) without gaps in one dimension.

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